

0590
1105

#12



OIPE

RAW SEQUENCE LISTING

DATE: 12/11/2002

PATENT APPLICATION: US/09/815,341A

TIME: 09:31:31

Input Set : N:\Crf4\Refhold\I815341.raw

Output Set: N:\CRF4\12112002\I815341A.raw

1 <110> APPLICANT: Nancy J. Bump
 2 Lee D. Arnold
 3 Richard W. Dixon
 4 Hans Wolfgang Heoffken
 5 Karen Allen
 6 Cornelia Bellamacina
 7 <120> TITLE OF INVENTION: Method of Identifying Inhibitors of TIE-2
 8 <130> FILE REFERENCE: BBI-6069
 9 <140> CURRENT APPLICATION NUMBER: US/09/815,341A
 10 <141> CURRENT FILING DATE: 2001-03-22
 11 <150> PRIOR APPLICATION NUMBER: US 60/192,920
 12 <151> PRIOR FILING DATE: 2000-03-29
 13 <160> NUMBER OF SEQ ID NOS: 2
 14 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 1127
 18 <212> TYPE: PRT
 19 <213> ORGANISM: Homo sapiens
 20 <400> SEQUENCE: 1
 21 Met Asp Ser Leu Ala Ser Leu Val Leu Cys Gly Val Ser Leu Leu Leu
 22 1 5 10 15
 23 Ser Gly Thr Val Glu Gly Ala Met Asp Leu Ile Leu Ile Asn Ser Leu
 24 20 25 30
 25 Pro Leu Val Ser Asp Ala Glu Thr Ser Leu Thr Cys Ile Ala Ser Gly
 26 35 40 45
 27 Trp Arg Pro His Glu Pro Ile Thr Ile Gly Arg Asp Phe Glu Ala Leu
 28 50 55 60
 29 Met Asn Gln His Gln Asp Pro Leu Glu Val Thr Gln Asp Val Thr Arg
 30 65 70 75 80
 31 Glu Trp Ala Lys Lys Val Val Trp Lys Arg Glu Lys Ala Ser Lys Ile
 32 85 90 95
 33 Asn Gly Ala Tyr Phe Cys Glu Gly Arg Val Arg Gly Glu Ala Ile Arg
 34 100 105 110
 35 Ile Arg Thr Met Lys Met Arg Gln Gln Ala Ser Phe Leu Pro Ala Thr
 36 115 120 125
 37 Leu Thr Met Thr Val Asp Lys Gly Asp Asn Val Asn Ile Ser Phe Lys
 38 130 135 140
 39 Lys Val Leu Ile Lys Glu Glu Asp Ala Val Ile Tyr Lys Asn Gly Ser
 40 145 150 155 160
 41 Phe Ile His Ser Val Pro Arg His Glu Val Pro Asp Ile Leu Glu Val
 42 165 170 175
 43 His Leu Pro His Ala Gln Pro Gln Asp Ala Gly Val Tyr Ser Ala Arg
 44 180 185 190

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/815,341A

DATE: 12/11/2002

TIME: 09:31:31

Input Set : N:\Crf4\Refhold\I815341.raw
 Output Set: N:\CRF4\12112002\I815341A.raw

45 Tyr Ile Gly Gly Asn Leu Phe Thr Ser Ala Phe Thr Arg Leu Ile Val
 46 195 200 205
 47 Arg Arg Cys Glu Ala Gln Lys Trp Gly Pro Glu Cys Asn His Leu Cys
 48 210 215 220
 49 Thr Ala Cys Met Asn Asn Gly Val Cys His Glu Asp Thr Gly Glu Cys
 50 225 230 235 240
 51 Ile Cys Pro Pro Gly Phe Met Gly Arg Thr Cys Glu Lys Ala Cys Glu
 52 245 250 255
 53 Leu His Thr Phe Gly Arg Thr Cys Lys Glu Arg Cys Ser Gly Gln Glu
 54 260 265 270
 55 Gly Cys Lys Ser Tyr Val Phe Cys Leu Pro Asp Pro Tyr Gly Cys Ser
 56 275 280 285
 57 Cys Ala Thr Gly Trp Lys Gly Leu Gln Cys Asn Glu Ala Cys His Pro
 58 290 295 300
 59 Gly Phe Tyr Gly Pro Asp Cys Lys Leu Arg Cys Ser Cys Asn Asn Gly
 60 305 310 315 320
 61 Glu Met Cys Asp Arg Phe Gln Gly Cys Leu Cys Ser Pro Gly Trp Gln
 62 325 330 335
 63 Gly Leu Gln Cys Glu Arg Glu Gly Ile Pro Arg Met Thr Pro Lys Ile
 64 340 345 350
 65 Val Asp Leu Pro Asp His Ile Glu Val Asn Ser Gly Lys Phe Asn Pro
 66 355 360 365
 67 Ile Cys Lys Ala Ser Gly Trp Pro Leu Pro Thr Asn Glu Glu Met Thr
 68 370 375 380
 69 Leu Val Lys Pro Asp Gly Thr Val Leu His Pro Lys Asp Phe Asn His
 70 385 390 395 400
 71 Thr Asp His Phe Ser Val Ala Ile Phe Thr Ile His Arg Ile Leu Pro
 72 405 410 415
 73 Pro Asp Ser Gly Val Trp Val Cys Ser Val Asn Thr Val Ala Gly Met
 74 420 425 430
 75 Val Glu Lys Pro Phe Asn Ile Ser Val Lys Val Leu Pro Lys Pro Leu
 76 435 440 445
 77 Asn Ala Pro Asn Val Ile Asp Thr Gly His Asn Phe Ala Val Ile Asn
 78 450 455 460
 79 Ile Ser Ser Glu Pro Tyr Phe Gly Asp Gly Pro Ile Lys Ser Lys Lys
 80 465 470 475 480
 81 Leu Leu Tyr Lys Pro Val Asn His Tyr Glu Ala Trp Gln His Ile Gln
 82 485 490 495
 83 Val Thr Asn Glu Ile Val Thr Leu Asn Tyr Leu Glu Pro Arg Thr Glu
 84 500 505 510
 85 Tyr Glu Leu Cys Val Gln Leu Val Arg Arg Gly Glu Gly Gly Glu Gly
 86 515 520 525
 87 His Pro Gly Pro Val Arg Arg Phe Thr Thr Ala Ser Ile Gly Leu Pro
 88 530 535 540
 89 Pro Pro Arg Gly Leu Asn Leu Leu Pro Lys Ser Gln Thr Thr Leu Asn
 90 545 550 555 560
 91 Leu Thr Trp Gln Pro Ile Phe Pro Ser Ser Glu Asp Asp Phe Tyr Val
 92 565 570 575
 93 Glu Val Glu Arg Arg Ser Val Gln Lys Ser Asp Gln Gln Asn Ile Lys

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/815,341A

DATE: 12/11/2002

TIME: 09:31:31

Input Set : N:\Crf4\Refhold\I815341.raw
 Output Set: N:\CRF4\12112002\I815341A.raw

94	580	585	590
95	Val Pro Gly Asn Leu Thr Ser Val	Leu Leu Asn Asn Leu	His Pro Arg
96	595	600	605
97	Glu Gln Tyr Val Val Arg Ala Arg Val	Asn Thr Lys Ala Gln Gly	Glu
98	610	615	620
99	Trp Ser Glu Asp Leu Thr Ala Trp	Thr Leu Ser Asp Ile Leu	Pro Pro
100	625	630	635
101	Gln Pro Glu Asn Ile Lys Ile Ser	Asn Ile Thr His Ser Ser	Ala Val
102	645	650	655
103	Ile Ser Trp Thr Ile Leu Asp Gly	Tyr Ser Ile Ser Ser	Ile Thr Ile
104	660	665	670
105	Arg Tyr Lys Val Gln Gly Lys Asn	Glu Asp Gln His Val Asp	Val Lys
106	675	680	685
107	Ile Lys Asn Ala Thr Ile Ile Gln	Tyr Gln Leu Lys Gly	Leu Glu Pro
108	690	695	700
109	Glu Thr Ala Tyr Gln Val Asp Ile	Phe Ala Glu Asn Asn Ile	Gly Ser
110	705	710	715
111	Ser Asn Pro Ala Phe Ser His	Glu Leu Val Thr Leu Pro	Glu Ser Gln
112	725	730	735
113	Ala Pro Ala Asp Leu Gly Gly	Lys Met Leu Leu Ile Ala	Ile Leu
114	740	745	750
115	Gly Ser Ala Gly Met Thr Cys	Leu Thr Val Leu Leu Ala	Phe Leu Ile
116	755	760	765
117	Ile Leu Gln Leu Lys Arg Ala Asn	Val Gln Arg Arg Met Ala	Gln Ala
118	770	775	780
119	Phe Gln Asn Val Arg Glu Glu	Pro Ala Val Gln Phe Asn Ser	Gly Thr
120	785	790	795
121	Leu Ala Leu Asn Arg Lys Val	Lys Asn Asn Pro Asp Pro	Thr Ile Tyr
122	805	810	815
123	Pro Val Leu Asp Trp Asn Asp	Ile Lys Phe Gln Asp Val	Ile Gly Glu
124	820	825	830
125	Gly Asn Phe Gly Gln Val Leu	Lys Ala Arg Ile Lys Lys Asp	Gly Leu
126	835	840	845
127	Arg Met Asp Ala Ala Ile Lys	Arg Met Lys Glu Tyr Ala	Ser Lys Asp
128	850	855	860
129	Asp His Arg Asp Phe Ala Gly	Glu Leu Glu Val Leu Cys	Lys Leu Gly
130	865	870	875
131	His His Pro Asn Ile Ile Asn	Leu Leu Gly Ala Cys Glu	His Arg Gly
132	885	890	895
133	Tyr Leu Tyr Leu Ala Ile Glu	Tyr Ala Pro His Gly Asn	Leu Leu Asp
134	900	905	910
135	Phe Leu Arg Lys Ser Arg Val	Leu Glu Thr Asp Pro Ala	Phe Ala Ile
136	915	920	925
137	Ala Asn Ser Thr Ala Ser Thr	Leu Ser Ser Gln Gln	Leu Leu His Phe
138	930	935	940
139	Ala Ala Asp Val Ala Arg Gly	Met Asp Tyr Leu Ser Gln Lys	Gln Phe
140	945	950	955
141	Ile His Arg Asp Leu Ala Ala	Arg Asn Ile Leu Val Gly	Glu Asn Tyr
142	965	970	975

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/815,341A

DATE: 12/11/2002

TIME: 09:31:31

Input Set : N:\Crf4\Refhold\I815341.raw
 Output Set: N:\CRF4\12112002\I815341A.raw

143 Val Ala Lys Ile Ala Asp Phe Gly Leu Ser Arg Gly Gln Glu Val Tyr
 144 980 985 990
 145 Val Lys Lys Thr Met Gly Arg Leu Pro Val Arg Trp Met Ala Ile Glu
 146 995 1000 1005
 147 Ser Leu Asn Tyr Ser Val Tyr Thr Thr Asn Ser Asp Val Trp Ser Tyr
 148 1010 1015 1020
 149 Gly Val Leu Leu Trp Glu Ile Val Ser Leu Gly Gly Thr Pro Tyr Cys
 150 1025 1030 1035 1040
 151 Gly Met Thr Cys Ala Glu Leu Tyr Glu Lys Leu Pro Gln Gly Tyr Arg
 152 1045 1050 1055
 153 Leu Glu Lys Pro Leu Asn Cys Asp Asp Glu Val Tyr Asp Leu Met Arg
 154 1060 1065 1070
 155 Gln Cys Trp Arg Glu Lys Pro Tyr Glu Arg Pro Ser Phe Ala Gln Ile
 156 1075 1080 1085
 157 Leu Val Ser Leu Asn Arg Met Leu Glu Glu Arg Lys Thr Tyr Val Asn
 158 1090 1095 1100
 159 Thr Thr Leu Tyr Glu Lys Phe Thr Tyr Ala Gly Ile Asp Cys Ser Ala
 160 1105 1110 1115 1120
 161 Glu Glu Ala Ala Phe Ile Gly
 162 1125
 164 <210> SEQ ID NO: 2
 165 <211> LENGTH: 326
 166 <212> TYPE: PRT
 167 <213> ORGANISM: Homo sapiens
 168 <400> SEQUENCE: 2
 169 Ala Leu Asn Arg Lys Val Lys Asn Asn Pro Asp Pro Thr Ile Tyr Pro
 170 1 5 10 15
 171 Val Leu Asp Trp Asn Asp Ile Lys Phe Gln Asp Val Ile Gly Glu Gly
 172 20 25 30
 173 Asn Phe Gly Gln Val Leu Lys Ala Arg Ile Lys Lys Asp Gly Leu Arg
 174 35 40 45
 175 Met Asp Ala Ala Ile Lys Arg Met Lys Glu Tyr Ala Ser Lys Asp Asp
 176 50 55 60
 177 His Arg Asp Phe Ala Gly Glu Leu Glu Val Leu Cys Lys Leu Gly His
 178 65 70 75 80
 179 His Pro Asn Ile Ile Asn Leu Leu Gly Ala Cys Glu His Arg Gly Tyr
 180 85 90 95
 181 Leu Tyr Leu Ala Ile Glu Tyr Ala Pro His Gly Asn Leu Leu Asp Phe
 182 100 105 110
 183 Leu Arg Lys Ser Arg Val Leu Glu Thr Asp Pro Ala Phe Ala Ile Ala
 184 115 120 125
 185 Asn Ser Thr Ala Ser Thr Leu Ser Ser Gln Gln Leu Leu His Phe Ala
 186 130 135 140
 187 Ala Asp Val Ala Arg Gly Met Asp Tyr Leu Ser Gln Lys Gln Phe Ile
 188 145 150 155 160
 189 His Arg Asn Leu Ala Ala Arg Asn Ile Leu Val Gly Glu Asn Tyr Val
 190 165 170 175
 191 Ala Lys Ile Ala Asp Phe Gly Leu Ser Arg Gly Gln Glu Val Tyr Val
 192 180 185 190

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/815,341A

DATE: 12/11/2002

TIME: 09:31:31

Input Set : N:\Crf4\Refhold\I815341.raw
Output Set: N:\CRF4\12112002\I815341A.raw

193 Lys Lys Thr Met Gly Arg Leu Pro Val Arg Trp Met Ala Ile Glu Ser
194 195 200 205
195 Leu Asn Tyr Ser Val Tyr Thr Thr Asn Ser Asp Val Trp Ser Tyr Gly
196 210 215 220
197 Val Leu Leu Trp Glu Ile Val Ser Leu Gly Gly Thr Pro Tyr Cys Gly
198 225 230 235 240
199 Met Thr Cys Ala Glu Leu Tyr Glu Lys Leu Pro Gln Gly Tyr Arg Leu
200 245 250 255
201 Glu Lys Pro Leu Asn Cys Asp Asp Glu Val Tyr Asp Leu Met Arg Gln
202 260 265 270
203 Cys Trp Arg Glu Lys Pro Tyr Glu Arg Pro Ser Phe Ala Gln Ile Leu
204 275 280 285
205 Val Ser Leu Asn Arg Met Leu Glu Glu Arg Lys Thr Tyr Val Asn Thr
206 290 295 300
207 Thr Leu Tyr Glu Lys Phe Thr Tyr Ala Gly Ile Asp Cys Ser Ala Glu
208 305 310 315 320
209 Glu Ala Ala Phe Ile Gly
210 325

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/815,341A

DATE: 12/11/2002

TIME: 09:31:32

Input Set : N:\Crf4\Reffold\I815341.raw

Output Set: N:\CRF4\12112002\I815341A.raw